

REPLACEMENT ABSTRACT

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A microphone is installed on a surface of the skin immediately below the mastoid of a human to implement a sound sampling method including sampling at least one of a non-audible murmur, a whisper, or an audible sound. The microphone includes a condenser microphone portion having a pair of diaphragm electrodes and a contact portion which has an acoustic impedance close to the acoustic impedance of soft tissues in a body of a speaker, which is stuck tightly to the condenser microphone portion with no intervening air space, and which conducts an input speech from a skin surface of the speaker to the condenser microphone.